

# **MOESSBAUER SPECTROMETER BASED ON UNO-4096-90 ACCUMULATOR AND ELEKTRONIKA D3-28 MICROCOMPUTER FOR SIMULTANEOUS RECORDING OF FOUR SPECTRA.**

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## **Abstract**

A buffer memory unit and an interface for the UNO-4096-90 accumulator with an Elektronika D3-28 microcomputer are described that allow simultaneous recording of four Moessbauer spectra with zero dead time. For complete elimination of dead time, the pulses from each detector are fed to two buffer counters units, which operate alternately in the write and interrogate modes. This organization of the buffer memory also completely eliminates the effect of the sensors on one another. The use of these circuits does not require any modifications of the computer or accumulator.

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